

## **METHOD AND DEVICE FOR VARIABLE OPTICAL ATTENUATOR**

### **Abstract of the Disclosure**

A variable optical modulator for optical communication systems using a tunable dynamic grating comprises a gel or membrane layer attached adjacent to a prism communicating light to/from the optical communication system. A substrate has a plurality of individually addressable electrodes and drive means for providing regulated excitation voltage to each of the plurality of electrodes, thereby generating a wave pattern on a surface of the gel or membrane superimposed on an initial state of the gel or membrane layer.

PATENT

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